

10/10/03

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Express Mail No.	EV335524810US
				Application Number	
				Confirmation Number	
				Filing Date	Herewith
				First Named Inventor	Gail A. Alverson
				Group Art Unit	
Examiner Name					
Sheet	1	of	5	Attorney Docket No.	324758001US5

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
/MW/		4,819,234		Huber	4/4/89	
		4,872,167		Maezawa et al.	10/3/89	
		5,168,554		Luke	12/1/92	
		5,301,325		Benson	4/5/94	
		5,333,280		Ishikawa et al.	7/26/94	
		5,450,575		Sites	9/12/95	
		5,504,932		Vassiliadis et al.	4/2/96	
		5,533,192		Hawley et al.	7/2/96	
		5,557,761		Chan	9/17/96	
		5,564,051		Halliwell et al.	10/8/96	
		5,581,764		Fitzgerald et al.	12/3/96	
		5,594,864		Trauben	1/14/97	
		5,598,560		Benson	1/28/97	
		5,632,032		Ault et al.	5/20/97	
		5,652,889		Sites	7/29/97	
		5,712,996		Schepers	1/27/98	
		5,754,855		Miller et al.	5/19/98	
		5,768,591		Robinson	6/16/98	
		5,768,592		Chang	6/16/98	
		5,774,721		Robinson	6/30/98	
		5,787,245		You et al.	7/28/98	
		5,805,892		Nakajima	9/8/98	
		5,812,811		Dubey et al.	9/22/98	
		5,826,265		Van Huben et al.	10/20/98	
		5,867,643		Sutton	2/2/99	
		5,877,766		Bates et al.	3/2/99	
		5,887,166		Mallick et al.	3/23/99	
		5,901,315		Edwards et al.	5/4/99	
		5,903,730		Asai et al.	5/11/99	
		5,913,925		Kahle et al.	6/22/99	
		5,953,530		Rishi et al.	9/14/99	
		5,961,639		Mallick et al.	10/5/99	
		5,966,539		Srivastava	10/12/99	

EXAMINER	/Michael Wilser/	DATE CONSIDERED	05/02/2007
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Express Mail No.	EV335524810US
				Application Number	
				Confirmation Number	
				Filing Date	Herewith
				First Named Inventor	Gail A. Alverson
				Group Art Unit	
Examiner Name					
Sheet	2	of	5	Attorney Docket No.	324758001US5

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
/MW/		5,978,902		Mann	11/2/99	
↓		6,002,872		Alexander III et al.	12/14/99	
		6,002,879		Radigan et al.	12/14/99	
		6,009,269		Burrows et al.	12/28/99	
		6,029,005		Radigan	2/22/00	
		6,049,671		Slivka et al.	4/11/00	
		6,058,493		Talley	5/2/00	
		6,059,840		Click, Jr.	5/9/00	
		6,072,952		Janakiraman	6/6/00	
		6,094,716		Witt	7/25/00	
		6,101,524		Choi et al.	8/8/00	
		6,112,293		Witt	8/29/00	
		6,151,701		Humphreys et al.	11/21/00	
↓		6,151,704		Radigan	11/21/00	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.	Foreign Patent or Application			Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	NUMBER	Kind Code (if known)				
/MW/		DE	DE19710252		Fujitsu Ltd.	2/26/98		
		DE	DE10710262		Fujitsu Ltd. (English Abstract)	2/26/98		
/MW/		EP	EP0422945		International Business Machines	4/17/91		
↓		EP	EP0455966		International Business Machines	11/13/91		
		EP	EP0537098		International Business Machines	4/14/93		
		EP	EP0855648		Texas Instruments, Inc.	7/29/98		
		EP	EP0864979		Digital Equipment Corporation	9/16/98		
↓		UK	GB2307760		AT&T Corp.	6/4/97		

EXAMINER	/Michael Wilser/	DATE CONSIDERED	05/02/2007
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to application(s).			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Express Mail No.	EV335524810US
				Application Number	
				Confirmation Number	
				Filing Date	Herewith
				First Named Inventor	Gail A. Alverson
				Group Art Unit	
Examiner Name					
Sheet	3	of	5	Attorney Docket No.	324758001US5

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T	
		"Method of Tracing Events in Multi Threaded OS/2 Applications," IBM Tech. Disclosure Bulletin, September 1993, pp. 19-22.		
/MW/		Adelberg, Brad et al., "The Strip Rule System for Efficiently Maintaining Derived Data," Sigmod Record, Association for Computing Machinery, New York, Vol. 26, No. 2, June 1, 1997.		
/MW/		Agrawal, Gagan et al., "Interprocedural Data Flow Based Optimizations for Compilation of Irregular Problems," Annual Workshop on Languages and Compilers for Parallel Computing, 1995.		
		Agrawal, Hiralal, "Dominators, Super Blocks and Program Coverage," 21st ACM SIGPLAN SIGACT Symposium on Principles of Programming Languages, Portland, Oregon, January 17-21, 1994.		
/MW/		Alverson, Gail et al., "Processor Management in the Tera MTA System," 1995.		
/MW/		Alverson, Gail et al., "Scheduling on the Tera MTA," Job Scheduling Strategies for Parallel Processing, 1995.		
		Alverson, Gail et al., "Tera Hardware Software Cooperation," Proceedings of Supercomputing 1997, San Jose, California, November 1997.		
/MW/		Alverson, Robert et al., "The Tera Computer System," Proceedings of 1990 ACM International Conference on Supercomputing, June 1990.		
/MW/		Anderson, Jennifer, et al., "Continuous Profiling: Where Have All The Cycles Gone?," Operating Systems Review, ACM Headquarters, New York, Vol. 31, No. 5, December 1, 1997.		
/MW/		Bailey, D.H. et al., "The NAS Parallel Benchmarks – Summary and Preliminary Results," Numerical Aerodynamic Simulation (NAS) Systems Division, NASA Ames Research Center, California, 1991.		
		Briggs, Preston et al., "Coloring Heuristics for Register Allocation," Department of Computer Science, Rice University, Houston, Texas, June 1989.		
		Briggs, Preston et al., "Coloring Register Pairs," ACM Letters on Programming Languages and Systems, Vol. 1, No. 1, March 1992.		
/MW/		Briggs, Preston et al., "Effective Partial Redundancy Elimination," ACM SIGPLAN Notices, Association for Computing Machinery, New York, Vol. 29, No. 6, June 1, 1994.		
/MW/		Callahan, David et al., "A Future-Based Parallel Language for a General-Purpose Highly-Parallel Computer, Languages and Compilers for Parallel Computing, MIT Press, 1990.		

EXAMINER	/Michael Wilser/	DATE CONSIDERED	05/02/2007
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).			

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Express Mail No.	EV335524810US
				Application Number	
				Confirmation Number	
				Filing Date	Herewith
				First Named Inventor	Gail A. Alverson
				Group Art Unit	
Examiner Name					
Sheet	4	of	5	Attorney Docket No.	324758001US5

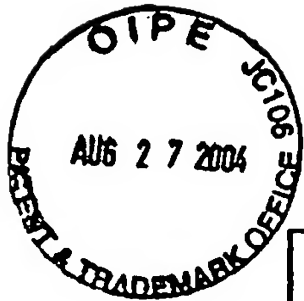
OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
/MW/		Callahan, David et al., "Improving Register Allocation for Subscripted Variables," Proceedings of the ACM SIGPLAN Conference on Programming Language Design and Implementation, White Plains, New York, June 20-22, 1990.	
		Callahan, David et al., "Register Allocation via Hierarchical Graph Coloring," Proceedings of the ACM SIGPLAN '01 Conference on Programming Language Design and Implementation, Toronto, Canada, June 26-28, 1991.	
/MW/		Callahan, David, "Recognizing and Parallelizing Bounded Recurrences," August 1991.	
		Chow, Fred C. et al., "The Priority Based Coloring Approach to Register Allocation," ACM Transactions on Programming Languages and Systems, Vol. 12, No. 4, October 1990, pp. 501-530.	
/MW/		Click, Cliff, "Global Code Motion, Global Value Numbering," ACM SIGPLAN Notices, Association for Computing Machinery, New York, Vol. 30, No. 6, June 1, 1995.	
		Cook, Jonathan et al., "Event Based Detection of Concurrency," SIGSOFT '98 ACM, 1998, pp. 34-45.	
		Davidson, Jack W. et al., "Reducing the Cost of Branches by Using Registers," Proceedings of the 17th Annual Symposium on Computer Architecture," Seattle, Washington, May 28-31, 1990.	
/MW/		Galarowicz, Jim et al., "Analyzing Message Passing Programs on the Cray T3E with PAT and VAMPIR," Research Report, "Online!," May 1998.	
/MW/		Goldman, Kenneth, J., "Introduction to Data Structures," 1996, Retrieved from Internet http://www.cs.wustl.edu/~kjc/CS101_SP97/Notes/DataStructures/structures.html	
/MW/		Hayashi, H. et al., "ALPHA: A High Performance Lisp Machine Equipped with a New Stack Structure and Garbage Collection System," 10 th Annual International Symposium on Computer Architecture, 1983.	
		Kilte, Priyadarshan et al., "Load/Store Range Analysis for Global Register Allocation," ACM SIGPLAN, June 1993.	
		Knoop, Jens et al., "The Power of Assignment Motion," ACM SIGPLAN '95 Conference on Programming Language Design and Implementation," La Jolla, California, June 18-21, 1995.	
/MW/		Korry, Richard et al., "Memory Management in the Tera MTA System," 1995.	
		Lal, George et al., "Iterated Register Coalescing," ACM Transactions on Programming Languages and Systems, Vol. 18, No. 3, May 1996, pp. 300-324.	

EXAMINER	DATE CONSIDERED
/Michael Wilser/	05/02/2007
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Express Mail No.	EV335524810US
				Application Number	
				Confirmation Number	
				Filing Date	Herewith
				First Named Inventor	Gail A. Alverson
				Group Art Unit	
Examiner Name					
Sheet	5	of	5	Attorney Docket No.	324758001US5

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.		T
		Lang, Tomas et al., "Reduced Register Saving/Restoring in Single-Window Register Files," Computer Architecture News, Vol. 14, No. 3, June 1988.		
/MW/		Linton, Mark A., "The Evolution of Dbx, "USENIX Summer Conference, June 11-15, 1990.		
/MW/		Major System Characteristics of the TERA MTA, 1995.		
		Minwen, Ji et al., "Performance Measurements for Multithreaded Programs," SIGMETRICS '98, ACM, 1998, pp. 168-170.		
/MW/		Ram, A. et al., "Parallel Garbage Collection Without Synchronization Overhead," 12 th Annual Symposium on Computer Architecture," June 17, 1985.		
		Shim, SangMin et al., "Split Path Enhanced Pipeline Scheduling for Loops with Control Flows," IEEE, December 2, 1998.		
/MW/		Smith, Burton, "Opportunities for Growth in High Performance Computing," November 1994.		
		Smith, Burton, "The End of Architecture," Keynote Address Presented at the 17 th Annual Symposium on Computer Architecture, Seattle, Washington, May 29, 1990.		
		Smith, Burton, "The Quest for General-Purpose Parallel Computing.		
		Sreedhar, Vugranam C. et al., "Incremental Computation of Dominator Trees," ACM SIGPLAN Notices, Association for Computing Machinery, New York, Vol. 30, No. 3, March 1, 1995.		
		Surajit, Chaudhuri et al., "An Overview of Data Warehousing and OLAP Technology," Sigmod Record, Association for Computing, New York, Vol. 26, No. 1, March 1997.		
		Tera MTA Principles of Operation, November 18, 1997.		
↓		Touzeau, Roy F., "A Fortran Compiler for the FPS-164 Scientific Computer," Proceedings of the ACM SIGPLAN '84 Symposium on Compiler Construction, SIGPLAN Notices 19(6):48-57, June 1984.		
		Tsai, Jenn Yuan et al., "Performance Study of a Concurrent Multithreaded Processor," IEEE, 1998, pp. 24-35.		

EXAMINER	/Michael Wilser/	DATE CONSIDERED	05/02/2007
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).			



PTO/SB/08a/b (08-03)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	10/683,774-Conf. #1801
				Filing Date	October 10, 2003
				First Named Inventor	Gail A. Alverson
				Art Unit	2127
				Examiner Name	L. Vo
Sheet	1	of	1	Attorney Docket Number	324758001US5

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/MW/		US-6,584,489-B1	06-24-2003	Jones et al.	
/MW/		US-6,560,626-B1	05-06-2003	Hogle et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. **CITE NO.: Those patent(s) or publication(s) which are marked with an double asterisk (**) next to the Cite No. are not supplied because they were previously cited by or submitted to the Office in a prior application relied upon in this application for an earlier filing date under 35 U.S.C. 120. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Michael Wilser/	Date Considered	05/02/2007
-----------------------	------------------	--------------------	------------



Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	10/683,774-Conf. #1801
				Filing Date	October 10, 2003
				First Named Inventor	Gail A. Alverson
				Art Unit	2127
				Examiner Name	L. Vo
Sheet	1	of	1	Attorney Docket Number	324758001US5

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/MW/		US-5,179,702	01-12-1993	Spix et al.	
		US-5,485,626-B1	01-16-1996	Lawlor et al.	
		US-5,524,250	06-04-1996	Chesson et al.	
		US-5,526,521	06-11-1996	Fitch et al.	
		US-5,668,993	09-16-1997	Peters et al.	
		US-6,003,066	12-14-1999	Ryan et al.	
		US-6,016,542	01-18-2000	Gottlieb et al.	
		US-6,088,788	07-11-2000	Borkenhagen et al.	
		US-6,105,051	08-15-2000	Borkenhagen et al.	
		US-6,212,544-B1	04-03-2001	Borkenhagen et al.	
		US-6,233,599-B1	05-15-2001	Nation et al.	
		US-6,272,520-B1	08-07-2001	Sharangpani et al.	
		US-6,298,370-B1	10-02-2001	Tang et al.	
		US-6,505,229-B1	01-07-2003	Turner et al.	
		US-6,560,628-B1	05-06-2003	Murata	
		US-6,567,839-B1	05-20-2003	Borkenhagen et al.	
		US-6,631,425-B1	10-07-2003	Helland et al.	
		US-6,766,515-B1	07-20-2004	Bitar et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ -Kind Code ⁵ (if known)			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Michael Wilser/	Date Considered	05/02/2007
-----------------------	------------------	--------------------	------------



PTO/SB/08a/b (08-03)
Approved for use through 07/31/2008. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/683,774-Conf. #1801
				Filing Date	October 10, 2003
				First Named Inventor	Gail A. Alverson
				Art Unit	2195
				Examiner Name	LILIAN VO
Sheet	1	of	1	Attorney Docket Number	324758001US5

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/MW/		US-6,195,676-B1	02-27-2001	Spix et al.	
		US-6,487,590-B1	11-26-2002	Foley et al.	
		US-6,594,698-B1	07-15-2003	Chow et al.	
		US-6,622,155-B1	09-16-2003	Haddon et al.	
		US-6,785,887-B2	08-31-2004	Armstrong et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Michael Wilser/	Date Considered	05/02/2007
-----------------------	------------------	--------------------	------------



PTO/SB/08a/b (07-05)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete If Known	
				Application Number	10/683,774-Conf. #1801
				Filing Date	October 10, 2003
				First Named Inventor	Gail A. Alverson
				Art Unit	2195
				Examiner Name	M. A. T. An
Sheet	1	of	1	Attorney Docket Number	324758001US5

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/MW/		Silberschatz et al., "Operating System Concepts," Fifth Edition, John Wiley & Sons, Inc., 1998, page 103.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Michael Wilser/	Date Considered	05/02/2007
-----------------------	------------------	--------------------	------------

3/2/07

PTO/SB/08A/B (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete If Known	
				Application Number	10/683,774-Conf. #1801
				Filing Date	October 10, 2003
				First Named Inventor	Gail A. Alverson
				Art Unit	2195
				Examiner Name	M. A. T. An
Sheet	1	of	1	Attorney Docket Number	324758001US5

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
/MW/		US-6,282,638	08-28-2001	Dowling	
/MW/		US-6,466,898	10-15-2002	Chan	
/MW/		US-6,470,376	10-22-2002	Tanaka et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Michael Wilser/	Date Considered	05/02/2007
-----------------------	------------------	--------------------	------------

32475-8001US5LEGAL 13054126.1